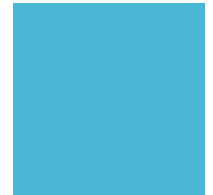




FLOOD

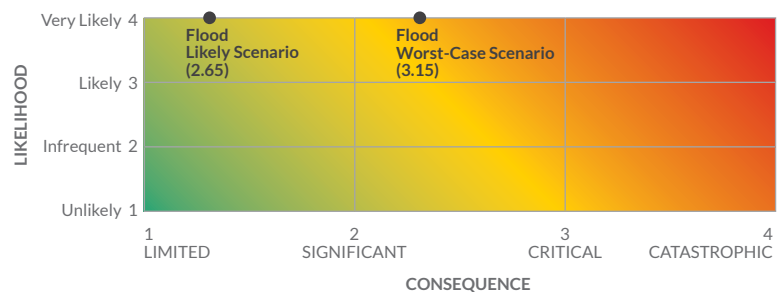


Flooding is defined as the accumulation of water that exceeds a physical barrier or collects in a low lying area that leads to the inundation of an area. Flooding typically results from large scale weather systems that generate prolonged or highly impactful rainfall. Other conditions such as winter snow thaws, over-saturated soil, ice jams breaking apart, and urbanization can cause flooding as well.

HAS IT HAPPENED LOCALLY?

Federal databases indicate that there were 55 flooding events in Howard County from 1996 to 2011. Not yet reflected in those databases is the most significant recent flooding event, occurring on July 30, 2016, when a strong storm dropped six inches of rain over Ellicott City over a span of two hours. Massive flooding caused extensive damage to businesses and homes on Main Street, Ellicott City.

RISK MATRIX



WHAT IS THE ONGOING RISK?

There is an expected **30%+ Annual Likelihood** of a Flood hazard in Howard County. In the most likely Flood hazard scenario, the **Total Impact is considered Limited-Significant**. In the worst-case scenario, the **Total Impact is considered Significant-Critical**.

DID YOU KNOW?

- The July 2016 storm took two lives and caused at least \$22.4 million in estimated damages. The storm caused extensive damage to 90 businesses and 107 homes.
- During the flood of 1868, witness reports say that the Patapsco River rose 30 feet in only 30 minutes.
- Flooding from Tropical Storm Agnes in 1972 caused \$44.76 million (inflation adjusted) in property damage and is one of the most destructive flooding events in recent history.

FOR MORE INFORMATION:

- Howard County Hazard Identification and Risk Assessment readyhoco.com/hazards
- National Oceanic and Atmospheric Administration nws.noaa.gov/floodsafety
- Ready.gov ready.gov/floods

LOCAL RISK OVERVIEW

Future Likelihood	Very Likely 30+% chance of annual occurrence	
Impact	MOST-LIKELY	WORST-CASE
	Limited-Significant	Significant-Critical
Risk Score	2.65	3.15
Risk Ranking (High to Low)	Ranked #1 of 10 natural hazards.	

FLOOD IMPACT

Where no Worst-Case bar is visible, Worst-Case impact is equivalent to Likely Impact

